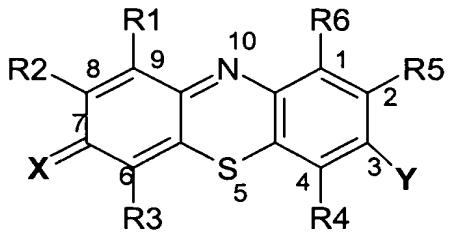
REPRESENTATIVE BUT NOT LIMITING CLAIMS:

1. A compound of the following structure:



where R1 to R6 is hydrogen, alkyl, aryl, alkoxy, thioalkoxy, alkylamino, nitro, amino or halogen, and X and Y are either hydrogen, alkyl, aryl, alkoxy, thioalkoxy, alkylamino, nitro, amino and halogen, provided either of X or Y is a strong electron donating group to the thiazine backbone, and the other of X or Y is a strong electron withdrawing group with respect to the thiazine backbone,

wherein said compound is applied to an optical medium and is detectable on said optical medium by an optical reader producing a wavelength of from about 770 nm to about 830 nm by a transient change in optical state from an initial optical state to a second optical state.

2. The compound of claim 1 wherein the compound is associated with an optical data deformation in a manner such that the read of the optical data deformation is different when the compound is in its initial optical state and its second optical state.